

Work Order ID 128002

December-22-14 9:10:41 AM

for Jesty

128002

Page 1

Item ID: D350-604-041

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Rear Locker Extender

Start Date: 12/22/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/09/15 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: 

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

FOR ENGINEERING USE ONLY

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D2273

J

D350-604-041

C

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile and create labels per PPP D350-604-041
CHG008

weight 7.4 lbs.

Work Order ID 128002

128002

Page 2

December-22-14 9:10:41 AM

Item ID: D350-604-041 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Rear Locker Extender
 Start Date: 12/22/14 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 1/09/15 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110	PURCHASING	0.00							
110									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: 26874								
	Description: D350-604-041 Rear locker extender.								
	Manufacture as per dwg D2273								
	Supplier: Carbon-by-Design FDC								
	Certification of Conformity and process sheet from Carbon-by-Design is required.								
	EXTREME CARE MUST BE TAKEN TO PROTECT THE SURFACES OF THE REAR LOCKER. THE SURFACES MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS.								
	MUST BE WELL PACKAGE, IF NOT IT WILL BE REFUSE								
120	Receive & Inspect for Damage & Mat'l Certs	0.00							
120	Packaging								
Packaging	Memo	0.00							
Packaging	Ensure a copy of Certification of Conformity and process sheet from Carbon-by-Design is attached. FDC								
	DO NOT STACK REAR LOCKERS OR ANYTHING ON THEM								

CY 14/12/22 ①

CY 15/02/12 ①

Page 3

February-24-15 3:18:10 PM

Reference:

Stop *NR2*

DAS
12
9-89

Work Order ID 128002

February-24-15 3:18:10 PM

128002

Page 4

Item ID: D350-604-041

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Rear Locker Extender

Stop ***NS2***

Start Date: 12/22/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 1/09/15 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

155

0.00

155

Purchasing

Memo

0.00

Purchasing

ISSUE PO TO EXOVA 27630BURN TEST PER TEST PLAN
CHRIS P TO GIVE INSTRUCTIONSCL 15/03/03 Disables

170

QC21- Final Inspection - Work Order Release 0.00

170

QC

Memo

0.00

Quality Control

change to
ENGLOS mar
✓

CL 15/03/04

Picklist Print

December-22-14 9:10:40 AM

Page 1

Work Order ID: 128002

128002

Parent Item: D350-604-041

D350-604-041

Parent Item Name: Rear Locker Extender

Start Date: 12/22/14

Required Date: 1/09/15

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:Q03.12.01ReformatKJ/RF IPP REV:R
12.02.07 AS PER ECN12-521 DD verf:JLM IPP REV:S 12.04.04
AS PER DWG REV.B DD VERF:EC IPP REV:T 13.09.12 as per
CHG006/ECN13-616 DDVERF:JLM IPP REV:U 14.05.28 as per
chg008/ecn14-563 DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
2600-6 *2600-6* Camlock Stud		Purchased	No			140	Each	204.0000	4	4			
**													
SAD 15/01/18													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST569		204		M128398					
				M128398		104		M131296	4				
				M129790		100							
2600-LW *2600-L W* Washer, Camlock Retaining		Purchased	No			140	Each	187.0000	4	4			
**													
SAD 15/01/18													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST570		187							
				m128429		100		M12 8429	4				
				m128818		87							
D2268 *D2268* Placard		Manufactured	No			140	Each	6.0000	1	1			
**													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST006		6							
				110734		6							

Picklist Print

December-22-14 9:10:40 AM

Page 2

Work Order ID: 128002

128002

Parent Item: D350-604-041

D350-604-041

Parent Item Name: Rear Locker Extender

Start Date: 12/22/14

Required Date: 1/09/15

Start Qty: 1.00

Required Qty: 1.00

D2269	Manufactured	No	155	Each	7.0000	1	1
-------	--------------	----	-----	------	--------	---	---

D2269

Placard

Location

Loc Qty

Loc Code

ST006

7

111345

7

D2728-1	Manufactured	Yes	140	Each	-2.0000	0	0
---------	--------------	-----	-----	------	---------	---	---

D2728-1

Dart Logo Label Small

D350-604-041P

Purchased No

110 Each

0.0000

1

1

D350-604-041P

Rear Locker Extender

D5062-041

Manufactured No

155 Each

11.0000

1

1

D5062-041

Bracket Assembly

Location

Loc Qty

Loc Code

ST144

11

121957

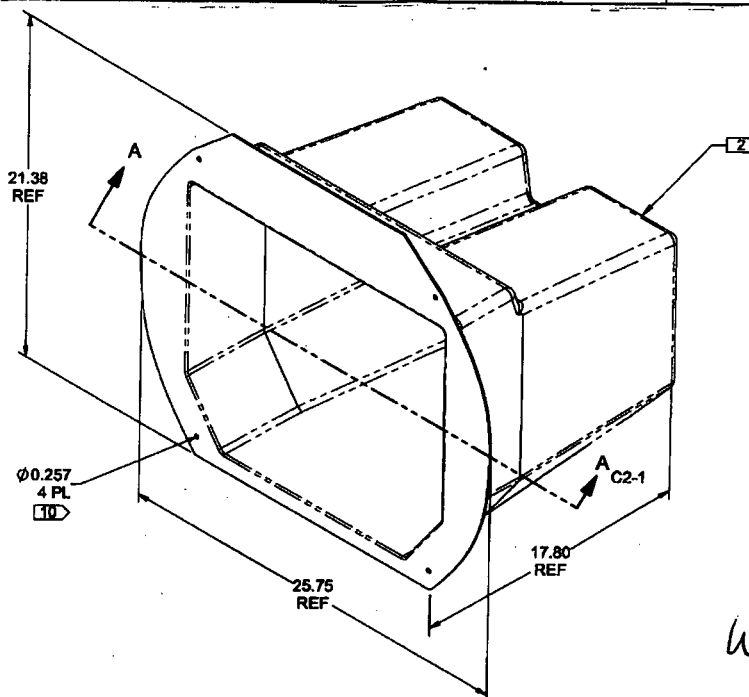
11

TABLE 1

POSITION	MATERIALS
1	TOOL SURFACE
2	GEL COAT
3	7725 FIBER GLASS
4	3/4 oz CHOPPED STRAND MAT
5	7725 FIBER GLASS
6	7725 FIBER GLASS
7	PRIMER

TABLE 2

POSITION	MATERIALS
1	TOOL SURFACE
2	GEL COAT
3	7725 FIBER GLASS
4	3/4 oz CHOPPED STRAND MAT
5	7725 FIBER GLASS
6	7725 FIBER GLASS
7	7725 FIBER GLASS
8	7725 FIBER GLASS
9	7725 FIBER GLASS
10	PRIMER



D2273 REAR LOCKER EXTENDER

TABLE 3

MATERIAL USED	DESCRIPTION
GEL COAT	4314-001 DURA FR WHITE GELCOAT
FIBER GLASS MAT	OWENS CORNING OR EQUIVALENT 3/4 oz CHOPPED STRAND MAT
FIBER GLASS CLOTH	HEXCEL 7725 FIBER GLASS
RESIN SYSTEM	PCCR 7524425UPR
PRIMER	DEFT MIL-PRF-85582E TYPE 1, CLASS 1

SEE TABLE 1

SEE TABLE 2

SECTION A-A

C4-1

RELEASED
2014-01-03

J	CHANGED GELCOAT TO 4314-001 DURA FR WHITE	ML	13.12.10
I	CHANGE GELCOAT TO POLYCOR 2330PAWK745	SFM	13.08.13
H	CHANGE MATERIAL & MANUFACTURING PROCESS	DC	13.03.15
G	ADD MANUFACTURING OPTION B, ZN B5-1	DC	12.08.08
F	PRIMER LE 3404-S/LE 1175-S WAS 1144-S, ZN A8-1	DC	12.02.27
E	CHANGED SURFACE FINISH FROM 844W005 GELCOAT TO 2330PAWK745 GELCOAT, ZN A7-1. UPDATED DWG TO CURRENT STANDARDS.	DC	12.02.02
D	REMOVE EPOCAST, ADD SURFACE FINISH	CP	02.04.01
C	CLARIFY MATERIAL, LAYUP, AND TOOLING	RF	02.01.30
B	RE-DRAWN	MM	06.05.27
REV.	DESCRIPTION	BY	DATE

DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	ML		
CHECKED		DRAWING NO.	REV. J
MFG. APPR.		D2273	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		350 REAR LOCKER EXTENDER	NTS
DATE	13.12.10	COPYRIGHT © 1990 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES, IN WHOLE OR IN PART, WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

NOTES:

- 1) MATERIAL: SEE TABLE 3
- 2) FINISH: SEE TABLES 1, 2, & 3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 5.5 - 7.5 lbs
- 8) LAMINATE PER DART QSI 006. LAMINATION SCHEDULE PER THIS DRAWING
- 9) LAYUP USING DT9871 MOLD, WET LAYUP WITH BAG/VACUUM
- 10) TRIM & DRILL PER DT9805, OPEN HOLES TO Ø0.198
- 11) CONSTRUCTION: SEE TABLES 1 & 2
- 12) MATTE TO HOLD DOWN CORNERS AS REQUIRED



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CERTIFICATE of CONFORMITY

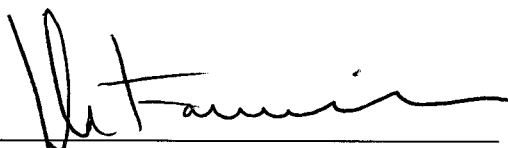
Customer Name: Dart Aerospace.

Customer P/O Number: PO26874

02/15/02/12

<u>PO Item</u>	<u>Qty</u>	<u>Part number</u>	<u>Drawing number</u>	<u>Description</u>	<u>Lot</u>
1	1	DAE001-009	D2273 Rev J	350 Rear Locker Extender	2015-02-10

I hereby certify that the workmanship, material and the processes used in the manufacture of the above part(s) supplied are in accordance with the requirements of the applicable Purchase Order.


Jules Fournier, BDI, Quality Manager

Date: 2015 - 02 - 11



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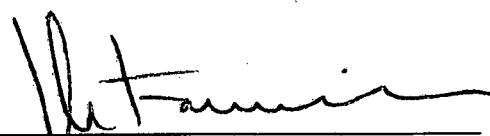
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1	1	DAE001-009	D2273 Rev J	350 Rear Locker Extender	2015-02-10

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Jules Fournier, BDI, Quality Manager

Date: 2015 - 02 - 11



# LOT	10107-0015
# SÉRIE(ID)	DAE001-009

Nom de Gamme :	Rear locker extender - DART
# de Gamme (et rev.) :	DAE001 Rev.NC
Nom pièce - Client :	350 Rear locker extender - DART AEROSPACE
# de Dessins (et rev.) :	D2273 Rev.J

Fiche suiveuse

[10-60]	Préparation	Moule, Espace de travail, Matière premières, Consommables	2015-02-10 Nf	2015-02-10 Cd
[70-90]	Finition/Peinture	Appliquer Gel coat, Inspecter	2015-02-10 9H00 Nf	2015-02-10 9H15 Nf
[100-150]	Laminage	Laminer, Démouler, Inspecter	2015-02-10 Cd	2015-02-10 Nf
[160-220]	Usinage	Percer, Découper, Ébavurer, Inspecter, Sabler	2015-02-10 Nf	2015-02-10 Nf
[230-240]	Finition/Peinture	Primer, Inspection	2015-02-10 16:00 Nf	2015-02-10 17:00 Nf
250	Expédition	Emballer, Expédier	2015-02-11 10:00 Nf	2015-02-11 10:30 Nf

Gamme préparé par :

Guillaume G.Jasmin

Gamme révisée par :

Francis Lavigne-Larente

Gamme vérifiée par
(Chefs d'équipe) :

Maxime Gagné

Gamme approuvée par :

Maxime Gagné

Date d'émission :

2015-01-14

Informations à remplir :

Cases grises pâles

Inspection :

Toutes les étapes de cette
gamme ont été complétées

Matières premières

Résine	581-404	2015/04/08	Dion 7704
Norox (Résine)	409-124	2015/04/17	MEKP-9
Norox (Gel coat)	409-124	2015/04/17	MEKP-9
Gel coat white	7020150 10031	2015/04/19	Polycor 2330PAWK745
Mat ¾ oz/pi²	1228174	N/A	¾ oz Chopped Strand Mat (Owens Corning Or Equivalent)
Fibre de verre 7725	1288798	N/A	Hexcel 7725 Fiber Glass
Apprêt (Primer) (Gris)	N/A	N/A	Duratec 707-062 (Gris)
Apprêt (Primer) (Vert)	14150	05-04-2016	Tempo 4500-PB-23G (Vert)
Durcisseur pour apprêt (hardener)	14216	2016-04-23	Tempo 4500-C-23

Moule : MOU300	FMS	Sarrau
Pompe à vacuum	55NC	Lunettes de sécurité
Jig : GAB350	Peel ply	Soulier de protection
	Film perforé	Gants
	Bleeder breather	Masques à cartouches
	Bag big blue	
	Ruban scellant (Dum Dum)	

Annexe 1
Formulaire de résine (RES-DAR001)

MPS-300-93-31-007-NC	Démoulage 55NC
MPS-300-93-31-058-A	Composite part inspection
MPS-300-93-31-020-B	Edge finish after trimming
MPS-300-93-31-097-NC	Epoxy - Polyamide primer
MPS-300-93-31-084-NC	Protection et entreposage des pièces

Suivi des révisions

Section A : PRÉPARATION

10	<u>Remplir les informations requises sur la première page (cases grises pâles)</u> • Demander au coordonnateur de production (ID) • Inscrire les heures et les dates d'entrée et de sortie de département		2015 02 10 [Signature]
20	<u>Découper la fibre et les périssables (Peel ply, sac étanche...) selon l'ANNEXE 1</u> • ACHEMINER et REMPLIR la section « Matière premières » pour : - Fibre de verre 7725 - Mat ¾ oz	Annexe 1	2015 02 10 [Signature]
30	<u>Préparer la résine selon RES-DAR001 (Gamme de formulation de résine)</u> ACHEMINER et REMPLIR la section « Matière premières » pour : - Résine - Norox	RES-DAR001	2015 02 10 [Signature]
40	PRÉPARER le moule ☒ Nettoyer et traiter le moule ☒ Poser le Masking tape	Annexe 1 MOU300	2015 02 10 CB
50	<u>Si nécessaire, traiter le moule au 55NC</u> • Faire le test de pelage, s'il ne passe pas, appliquer une couche de 55NC et refaire le test.	MPS-300-93-31-007	2015 02 10 CB
60	PRÉPARER l'espace de travail (pendant l'application du gel coat) ☒ Vérifier et préparer la pompe ☒ Préparer et distribuer les outils ☒ Protéger l'environnement de travail (tables, plancher, etc.) ☒ Vêtir l'équipement de protection personnel ☒ Partir la ventilation		2015 02 10 VLE

Section B : APPLICATION GEL COAT

70	(GEL COAT) : ACHEMINER et REMPLIR la section « Matière premières » pour : Gel coat		2015/02/10 [Signature]
80	APPLIQUER le Gel coat (18 - 22 mils) Heure d'application 9 h 00 min	Annexe 1	2015-02-10 [Signature]
90	<u>Point d'inspection (Inspecteur Qualité):</u> ☒ Épaisseur du gel coat : 18 - 22 mils ☒ Qualité de l'application du gel coat : Uniforme et esthétique.		Inspecteur 32 Qualité 2015-02-10

Section C : LAMINAGE

100	<u>Points d'inspection (Inspecteur Qualité ou Chef d'Équipe):</u> ☒ Donner l'approbation pour que la pièce puisse être laminée (le gel coat est « amoureux » ou « tack free »)		2015-02-10 Inspecteur [Signature] Qualité
-----	---	--	--

110	LAMINER. <table border="1"> <thead> <tr> <th>Position</th> <th>Matériel</th> </tr> </thead> <tbody> <tr> <td>10F</td> <td>¾ oz Chopped strand MAT</td> </tr> <tr> <td>20F</td> <td>7725 Fibre de verre</td> </tr> <tr> <td>30F</td> <td>7725 Fibre de verre</td> </tr> <tr> <td>40R</td> <td>7725 Fibre de verre</td> </tr> <tr> <td>50R</td> <td>7725 Fibre de verre</td> </tr> <tr> <td>60R</td> <td>7725 Fibre de verre</td> </tr> <tr> <td>70F</td> <td>7725 Fibre de verre</td> </tr> </tbody> </table> ADDED on Flanges. ☒ S'assurer que tous les plis dans le tableau ont été laminés ☐ Lors du bagging, appliquer une bande de release film non perforé sur les coins convexes <table border="1"> <tr> <td>Heure début laminage</td> <td>10 h 55 min</td> </tr> <tr> <td>Heure mise sous-vide (sac scellé)</td> <td>12 h 15 min</td> </tr> <tr> <td>Intensité du vide (25 inHg)</td> <td>25 inHg</td> </tr> </table>	Position	Matériel	10F	¾ oz Chopped strand MAT	20F	7725 Fibre de verre	30F	7725 Fibre de verre	40R	7725 Fibre de verre	50R	7725 Fibre de verre	60R	7725 Fibre de verre	70F	7725 Fibre de verre	Heure début laminage	10 h 55 min	Heure mise sous-vide (sac scellé)	12 h 15 min	Intensité du vide (25 inHg)	25 inHg	Annexe 1	2015-02-10 <i>[Signature]</i> <i>[Signature]</i> Martin
Position	Matériel																								
10F	¾ oz Chopped strand MAT																								
20F	7725 Fibre de verre																								
30F	7725 Fibre de verre																								
40R	7725 Fibre de verre																								
50R	7725 Fibre de verre																								
60R	7725 Fibre de verre																								
70F	7725 Fibre de verre																								
Heure début laminage	10 h 55 min																								
Heure mise sous-vide (sac scellé)	12 h 15 min																								
Intensité du vide (25 inHg)	25 inHg																								
120	LAISSER POLYMÉRISER sous vide la pièce pendant 2h		n/a																						
130	<u>DÉMOULER et IDENTIFIER la pièce</u> ☒ Écrire le numéro de pièce et la date sur un collant – # de lot (date de début) – # de série ID Ex : (AAAAMMJJ) – (DAE001-XXX) ☒ Placer la pièce sur la table d'inspection	Annexe 1	2015-02-10 <i>[Signature]</i>																						
140	<u>Point d'inspection (inspecteur qualité) :</u> ☒ Plier les flanges (rebords) afin de s'assurer que le Gel coat ne craque pas (Voir Annexe 1 pour ce test) ☒ Identifier la présence de surplus de résine ☒ Identifier la présence de bulles d'air ☒ Identifier la présence de zone sèche ☒ Identifier la présence de plis de fibre	MPS-300-93-31-058 Annexe 1	2015-02-10 Inspecteur Qualité <i>[Signature]</i>																						

150	<u>Nettoyer le moule</u> - Enlever la résine durcie tout le tour du moule avec une spatule en plastique pour ne pas endommager le moule Si nécessaire, nettoyer le moule avec un chiffon légèrement humecté de nettoyant à moule (PMC) NE PAS TROP APPLIQUER DE "PMC"	Spatule en plastique	2015-02-10
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Section D : USINAGE

160	INSTALLER le gabarit de perçage et découpe	GAB350 Annexe 1	2015-02-10
170	PERÇER la pièce Percer 4 trous avec un forêt F (Dia. .257 po)	Annexe 1	2015-02-10
180	DÉCOUPER la pièce Retirer le gabarit de découpe une fois terminé	Annexe 1	2015-02-10
190	ÉBAVURER les arêtes vives	MPS-300-93-31-020	2015-02-10
200	<u>Point d'inspection (inspecteur qualité) :</u> ☒ Vérifier la conformité de la pièce (Dimensions) selon le no. de dessin et selon le MPS-300-93-31-058	MPS-300-93-31-058	2015-02-10 Inspecteur Qualité
210	SABLER l'extérieur de la pièce Papier 120 à 320 grains		2015-02-10
220	NETTOYER les surfaces extérieures		2015-02-10

Section E : FINITION/PEINTURE

230	APPLIQUER le primer	MPS-300-93-31-097	2015-02-10 NSG
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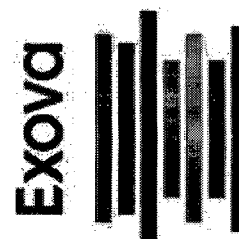
240	<u>Inspection finale :</u> • Validation de la finition (pinholes, surface inégale, etc.) • Vérifié s'il y a un panneau de contrôle relié à la pièce • Tamper le carré dans le coin inférieur droit de la deuxième page • Valider l'identification de la pièce	MPS-300-93-31-058	Inspecteur  Qualité
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Section F : EXPÉDITION

250	Emballer et expédier	MPS-300-93-31-084	
-----	----------------------	-------------------	---

Exova
2395 Speakman Dr.
Mississauga
Ontario
Canada
L5K 1B3

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F: +1 (905) 823-1446
E: sales@exova.com
W: www.exova.com



Testing. calibrating. advising

FAR 25.853(a) 45° Angle Flame Resistance of "Rear Locker Extender D2273"

A Report To:	Dart Aerospace Ltd 1270 Aberdeen Street Hawkesbury, ON K6A 4K7
Phone:	(613) 632-5200
Email:	DShepherd@dartaero.com
Attention:	David Shepherd
Submitted By:	Exova Warringtonfire North America
Report No.	15-002-124 2 pages + appendix
Date:	March 6, 2015

ACCREDITATION To ISO/IEC 17025 for a defined Scope of Testing by the International Accreditation Service

SPECIFICATIONS OF ORDER

Determine flame resistance in accordance with FAR 25.853(a), Appendix F Part I, Paragraph (a)(2)(iii), as per requirements of FAR 27.855(a)(2) at Amendment 27-0, FAR 29.855(a)(1) at Amendment 29-30, as specified in Test Plan TP-D350-604-1 Rev. F, and per your Purchase Order No. 27630 dated March 3, 2015.

IDENTIFICATION (Exova sample identification number 15-002-S0124)

Material identified as: "Qty(4) 9" x 9" samples cut from D2273 rear locker extender B/N 1280002 manufactured by FDC Composites. Composite lay-up per Dart PO 26874 as follows:

- Resin: Dion 7704, - Gelcoat: Polycor 2330PAWK745, - Primer: Tempo 4500-PB-23G, - 3/4 oz chopped strand MAT - Owens Corning or equivalent, - Hexcel 7725 Fiber Glass."

TEST RESULTS

FAR 25.853(a), Appendix F Part I, Paragraph (a)(2)(iii)

45° Angle Bunsen Burner Test

30 s Flame Exposure Time

Test Coupon	Flame Penetration	Afterflame Time (s)	Afterglow Time (s)	Results (Pass / Fail)
#1	None	0.0	0.0	-
#2	None	0.0	0.0	-
#3	None	0.0	0.0	-
Average:	None	0.0	0.0	-
Specified Maxima:	None	15.0	10.0	Pass

Note: Testing not witnessed.

CONCLUSIONS

The material identified in this report complies with the flammability requirements of FAR 25.853(a), Appendix F Part I, Paragraph (a)(2)(iii), Amendment 25-111 and requirements of FAR 27.855(a)(2) at Amendment 27-0, FAR 29.855(a)(1) at Amendment 29-30.

Note: This is an electronic copy of the report. Signatures are on file with the original report.

Victor Tarcenco,
Technologist

Ian Smith,
Technical Manager

Note: This report and service are covered under Exova Canada Inc. Standard Terms and Conditions of Contract which may be found on the Exova website (www.exova.com), or by calling 1-866-263-9268.

FAR 25.853(a) 45° Angle Flame Resistance of "Rear Locker Extender D2273"

For: Dart Aerospace Ltd

Report No. 15-002-124

Exova

APPENDIX

(2 pages)

**Summary of Test Procedure
Conformity Inspection Record Copy**

FAR 25.853(a), Appendix F Part I (a)(2)(ii)/(iii)**45-Degree Bunsen Burner Test for Cargo Compartment Liners and Waste Stowage Compartment Materials****30 s Flame Exposure Time**

At least three specimens 10 x 10 inches (254 x 254 mm) are cut, either from a fabricated part as installed in the aircraft, or cut from a section simulating a fabricated part. Prior to testing, the specimens are conditioned for a minimum of 24 hours at $70 \pm 5^\circ\text{F}$ ($21 \pm 3^\circ\text{C}$).

Each specimen is removed from the conditioning chamber individually, clamped in a metal holder and suspended at an angle of 45° in a specified cabinet, with the surface to be tested facing down. The lower surface of the specimen is positioned 1.0 inch (25 mm) above the tip of a gas burner which has been adjusted to yield a flame height of 1.5 inches (38 mm). Flame exposure time is 30 seconds. Flame time and glow time are measured and any evidence of flame penetration is noted.

Flame Resistance Requirements:

The Federal Aviation Administration (FAA) specifies an average flame time of 15 seconds, an average glow time of 10 seconds and no flame penetration on any of the specimens.

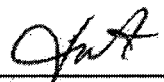
CONFORMITY INSPECTION RECORD

Applicant: Dart Aerospace Ltd.		Title of Change: Flammability testing per TP-D350-604-1 Rev. F	
Aeronautical Product: Helicopter	Make: Airbus Helicopters	Model: AS350/355	Serial No.: ALL
Applicant's Inspector: Pat Smith	Date of Inspection: 15.02.24	Applicant's Project Manager: Chris Provencal	

Item Inspected	Controlling Document	Finding		Additional Findings
		Sat.	Unsat.	
Qty(4) 9" x 9" samples cut from D2273 rear locker extender B/N 128002 manufactured by FDC Composites. Composite lay-up per Dart PO 26874 as follows: - Resin: Dion 7704 - Gelcoat: Polycor 2330PAWK745 - Primer: Tempo 4500-PB-23G - 3/4oz chopped strand MAT – Owens Corning or equivalent - Hexcel 7725 Fiber Glass	TP-D350-604-1 Rev. F	✓		

APPLICANT'S ATTESTATION

I hereby confirm that the prototype installation and/or test setup is in conformity with the items listed above.

Signature:  Date: 15/02/25

TC INSPECTION

☐ ACCEPTABLE
☐ UNACCEPTABLE

Additional Remarks:

Signature: _____ Date: _____